

-AL

Powered by  DIALOG

**Pharmaceutical compsns. for inhalation contg. flezelastrin or salts - contains a suspension stabiliser chosen from e.g. polyoxyethylene glyceryl monooleate, oleic acid, perfluorinated carboxylic acid etc.**

**Patent Assignee: ASTA MEDICA AG**

**Inventors: ENGEL J; HETTCHE H**

### Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
EP 561166	A1	19930922	EP 93102526	A	19930218	199338	B
DE 4305078	A1	19930923	DE 4305078	A	19930219	199339	
BR 9301172	A	19930921	BR 931172	A	19930315	199342	
AU 9335261	A	19930923	AU 9335261	A	19930316	199345	
NO 9300946	A	19930920	NO 93946	A	19930316	199346	
CA 2091713	A	19930918	CA 2091713	A	19930316	199349	
FI 9301159	A	19930918	FI 931159	A	19930316	199349	
ZA 9301875	A	19931229	ZA 931875	A	19930316	199405	
JP 6016539	A	19940125	JP 9355296	A	19930316	199408	
CN 1080852	A	19940119	CN 93102569	A	19930315	199712	

**Priority Applications (Number Kind Date):** DE 4208545 A ( 19920317)

**Cited Patents:** EP 222191

### Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
EP 561166	A1	G	6	A61K-009/00	
DE 4305078	A1		4	A61K-031/50	
ZA 9301875	A		11	A61K-000/00	
JP 6016539	A		4	A61K-009/12	
BR 9301172	A			A61K-009/12	
AU 9335261	A			A61K-031/55	
NO9300946	A			A61K-009/12	
CA 2091713	A			A61K-031/55	
FI 9301159	A			A61K-031/55	
CN 1080852	A			A61K-031/55	

### Abstract:

EP 561166 A

The compsn. consisting of flezelastrin or one of its physiologically acceptable salts, propellant gases and a suspension stabiliser contains polyoxyethylene (25)-glyceryl trioleate (Tagat (RTM)TO), polyoxyethylene(30)-glyceryl monooleate (Tagat O), polyoxyethylene (20)-glyceryl monooleate (Tagat O2), oleic acid, Pluronic (RTM) F68, 4-10C perfluorinated carboxylic acids or salts,

synperonic types, phosphonic acid esters of perfluorinated sulphonamido alcohols, mono-acetylated or diacetylated monoglycerides and/or phospholipids as the suspension stabilisers.

Pref. the amt. of suspension stabiliser is 0.01-5 (esp. 0.2-2.5, esp. pref.0.75-1.5) wt.%. The mixt. can also contain ethanol. The propellant is TG227 and/or TG134a.

USE/ADVANTAGE - Flezelastin has antiallergic and antihistamine properties. The pharmaceutical compsn. can be used in inhalation aerosols which have acceptable taste and do not have the strongly bitter taste of other phthalazinone derivs. The use of the suspension stabiliser improves operating the dose valve and the particle size of the compsns. does not increase.

Dwg.0/0

Derwent World Patents Index  
© 2001 Derwent Information Ltd. All rights reserved.  
Dialog® File Number 351 Accession Number 9602954